

Title (en)

APPARATUS FOR THE DETERMINATION AND MONITORING OF SUBSTANCE CONCENTRATIONS IN FLUID MEDIA

Publication

EP 0217022 B1 19890308 (DE)

Application

EP 86109867 A 19860718

Priority

DE 8527071 U 19850921

Abstract (en)

[origin: US4767601A] To regulate and monitor material concentrations, e.g., sodium chlorite or hydrogen peroxide, measuring cells are used in which these substances react to completion with another substance, e.g. sulfur dioxide, in an exothermal reaction. The resulting temperature rise is then a measure of the concentration. A measuring cell comprises a pipe section provided at both ends with mounting devices for installation in the delivery line transporting the reaction medium. Within this pipe section there is positioned axially a smaller diameter pipe section which is open at both ends, into one open end of which projects the supply line for the reacting substance and at the other end of which a temperature sensor is installed.

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IPC 8 full level

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